

MULTI-LAYER HOLOGRAPHIC DATA RECORDING METHOD

Abstract of Disclosure

A plurality of holographic recording media are positioned one above the other on an optical substrate and contain conventional stationary or moving imagery or data sets such as binary data representative of for example written text. A plurality of memory address access media are alternately interleaved between the plurality of holographic recording media. The memory access media causes a pair of optical beams to create an interference pattern at particular hologram recording media layers causing that layer to be read out. The specific memory access media layer is selected by means of scanning the interference pattern spatially within the interrogation beam, or by means of scanning the interrogation beam in wavelength.

Figures